STATE OF ILLINOIS ILLINOIS COMMERCE COMMISSION

DECEIVE JUN 2 3 2006

Petition for permission to make a major change in crossing protection, or to install new protection under 92 Illinois Administrative Code 1535.400 (d)

X-12467

Illinois Commerce Commission
RAIL SAFETY SECTION

T06-0063

Date:

May 22, 2006

To the Illinois Commerce Commission:

546390A

- The petitioner <u>CSX Transportation</u> shows
- (1) That it is a railroad company operating a line of railroad in the State of Illinois.
- (2) That petitioner proposes and hereby makes application for authority to make a major change in crossing protection, or to install new protection, under 92 Illinois Administrative Code 1535.400 (d) adopted by this Commission.
- (3) That the location of the crossing, the nature of protection now established and proposed to be established, and other pertinent facts in connection therewith, are set forth in the statement attached to and forming part of this petition.
- (4) That petitioner's reasons and purpose, with reference to its said proposal are

Installation of flashing light signals with gate units controlled by CWT.

(5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for hearing, and that the Commission enter an order or adopt a resolution consenting to and granting authority for the making of the said proposed changes in or additions to crossing protection.

CSX Transportation, Inc.

Βv

Hal Gibson

(Principal Engineer Public Projects

(904) 359-1048

B1 9 F1 3

Tammy Butler

(Attorney for Petitioner)

CSX Transportation, Inc. 500 Water Street, SC J-150 Jacksonville, FL 32202

(Attorney's Address)

DOCKETED

JUL 25 2006

Statement, attached to and part of an application for permission to make a major change in crossing protection or to install new protection, under 92 III. Adm. Code 1535.400(d).

1.	Name of Railroad Company CSX Transportation, Inc.
2.	Crossing Number 546390A
3.	Village or City Greenup
4.	Name of Street or Highway Hossapple Rd.
5.	Public Agency Maintaining Highway
6.	Protection now established: (Give full description. Indicate the hours of any manual protection.)
	Passive crossbuck signs.
7.	Protection desired: (Give details)
	Automatic flashing light signals and gate units.
8.	Number of main tracks 1 Other tracks 0
9.	Number of passenger train movements: 6 a.m. to 6 p.m. 0 6 p.m. to 6 a.m. 0
10.	Number of freight train movements: 6 a.m. to 6 p.m. 15 6 p.m. to 6 a.m. 18
11.	Approximate number of switch movements: 6 a.m. to 6 p.m. 3 6 p.m. to 6 a.m. 0
12.	Maximum speed of trains at crossing on each track in each direction
	Track 1 N/E Bound 60 mph S/W Bound 60 mph
	Track 2 N/E Bound mph S/W Bound mph
	Track 3 N/E Bound mph S/W Bound mph
13.	Passenger platforms served by tracks within the limits of track circuits, if any N/A
14.	Where automatic signals or gates are proposed, approximately number of train or engine movements daily which would cause false indications or operation

15. Nature and approximate amount of street or highway traffic over crossing **75 AADT**

- 16. In addition to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed crossing. This plan should show:
 - (a) Width and surface of highway.
 - (b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
 - (c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
 - (d) Where automatic protection is proposed, show proposed location of signals (sidelights, cantilevers, etc., if any).
 - (e) Show the length of each operation track section within the control limits of the crossing protection and its function.

ADDITIONAL INFORMATION

VERIFICATION

I, <u>Hal Gibson</u>), first being duly sworn upon oath depose and say that I am <u>Principal Engineer Public Projects</u>) of <u>CSX Transportation</u>, Inc., an <u>Virginia</u> corporation; that I have read the above and foregoing petition by me subscribed and know the contents thereof; that said contents are true in substance and in fact, except as to those matters stated upon information and belief, and as to those, I believe same to be true.

Principal Engineer Public Projects

# Printed Date: # Creation Date:	
Created By: bmiller(Barbara Miller)
# Project Number: ####################################	IL2006006 #
Distribu	tion
Director Of Signal Construction 2 Copies Director Of Materials 1 Copy	General Supervisor 2 Copies Supervisor Of Signals 2 Copies
Please complete the information at the bo "As In Service" plans to the Director of	
Location: Greenup, IL Division: WESTERN Sub Divisi Signal Supervisor: MATHEWS, ROY	on: ST LOUIS LINE
AFE Number: OP Number: ILO	185 DOT Number : 546390A
Mile Post Ranges: QS 120.50 Description:	
Hossapple Rd Install FLS&G controlled	by CWT.
ICC told CSX to hold off on design due t road servicing one trailer. ICC may can	o Hossapple Rd. being a dirt cel project. MKA/02-01-06
3-16-06 - ICC gave notice to proceed wit will not be cancelled MKA	h survey and design. Project
In connection with the above project, dra	wings dated 04/12/2006 are attached.
Remarks:	
	RECEIVED
	JUL 25 2006
	Illinois Commerce Commission RAIL SAFETY SECTION
In Service Date:	
Inspected By:	
Title:	. The second

Drawing Name	Sheet Number NOTE: An asterisk (*) indicates a sheet is for reference only there is no change)						
8406-1197	1 .						
8406-1205	. <u>1</u> 5	10 6	11 7	2 8	3	4	
8406-1220	1 .	1-1			•		

Shop Material List for CSX Project: IL2006006 (Effective: 05/03/2006) Install FLS&G controlled by CWT Greenup, IL - QS 120.50

ĺi		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Catalog Num_	Cond	Unit Price	Qty	Cost Description
020-0003388	1	5424.00	1	5424.00 HOUSE 6X6L ALUM INCLUDES 5 SHELFS, FARADAY CLOSET, 120V
020-0017120	1 .	12.17	. 6	73.02 BLOCK TERMINAL 12 POST SINGLE STRIP AAR 14.1.6 WITH 1 AAR
020-0017125	1	4.88	6	29.28 BLOCK TERMINAL 2 POST AAR 14.1.8 WITH 1 AAR 14.1.11
020-0018234	·1	30.69	1	30.69 CABLE CONVERTER PROTOCOL/MEDIA WAYSIDE ACCESS
020-0021965	1	8.96	1	8.96 EXTRACTOR DWG 59688-4 TERMINAL GRS CAT P3-308 REF
020-0022651	1	47.04	1	47.04 PLUGBOARD KIT TYPE B1 OR ST1 RELAY ASSEMBLY WITH 12 EACH
020-0022701	1	71.18	26	1850.68 ARRESTER LPC 15012-1 0-30V DC OR 0-24V AC RATED AT 15 AMP
020-0025595	1	17.42	1	17.42 WRENCH DWG 55393-3 GR1 "E" TERMINAL POST NUT GRS CAT
020-0053360	1	415.52	3	1246.56 CHARGER BATTERY ELC 12/20 S 20 AMP 10-19.9 VDC ROTARY SW
020-0053510	1	233.11	1	233.11 KIT 240V AC EMERGENCY GENERATOR CABLE AND
020-0055602	1	, 11.39	1	11.39 RELAY POTTER BRUMFIELD KHAU17D12-12V 160 OHMS
020-0056514	1	9.32	4	37.28 SOCKET RELAY POTTER & BRUMFIELD 27E166 NEWARK
020-0064060	1	68.32	2	136.64 PLATE MOUNTING FOR 2 TYPE KHAU RELAY SOCKETS ON GRS B1
020-0660077	1	506.24	1	506.24 ARRESTER GE 9L10KAC213 FOR 240 VOLT SINGLE PHASE 3 WIRE
020-0770060	1	12.32	8	98.56 ARRESTER US&S N451552-0201 TRACK SERIES RED LABEL USGA
020-0770105	1	21.28	2	42.56 ARRESTER HARMON 202217-000 AGE-1 TRACK AIR GAP EQUALIZER
020-1940055	1	8.50	1	8.50 CONTAINER CIRCUIT PRINT 24" SCHEDULE 20 4" PVC PIPE WITH
020-2503090	1	940.56	1	940.56 CONVERTER PROTOCOL/MEDIA WAYSIDE ACCESS GATEWAY (WAG)
020-2503206	1	3899.31	1	3899.31 PREDICTOR SAFETRAN GCP-4000 SEAR-III AUTO TEST PKG FOR
020-2503210	1	14276.40	1	14276.40 PREDICTOR SAFETRAN GCP-4000 2-TRACK DUAL CASE W/RECORDER
020-2901190	1	11.39	3	34.17 RELAY POTTER BRUMFIELD KHAU17A12-120 3900 OHMS
020-3430130	1	358.40	1	358.40 RELAY SAFETRAN 400023 500 OHMS CONTACTS 6FB HEAVY DUTY
020-3652615	1	31.44	1	31.44 RESISTOR ADJUSTABLE 0.340 TO 3.00 OHMS 2.24A 15W SAFETRAN
020-4200100	1	6.04	5	30.20 CONNECTOR BUS 1" CENTERS 1/2" X 36" 18 GAGE PUNCHED 1/4" X
020-4200340	1	1.04	8	8.32 LINK TEST ASSEMBLY 1" CENTERS COMPLETE WITH INSULATED

Page 2 of 6

Estimate ID: 109674

Shop Material List for CSX Project: IL2006006 (Effective: 05/03/2006) Install FLS&G controlled by CWT Greenup, IL - QS 120.50

Catalog Num _	Cond	Unit Price	Qty	Cost Description
020-4200350	1	1.68	14	23.52 LINK TEST ASSEMBLY 2-3/8" CENTERS COMPLETE WITH
020-8000067	1	14.38	2	28.76 LOCK AMERICAN H10SIGRA CSX SIGNAL PADLOCK WITH BLACK

Total Cost: \$ 29,433.01

\$1500 °

Field Material List for CSX Project: IL2006006 (Effective: 05/03/2006) Install FLS&G controlled by CWT Greenup, IL - QS 120.50

	Catalog Num	Cond	Unit Price	Qty	Cost Description
1	N/A		14.00	. 28	392.00 CONNECTOR, RETAINING WALL
	N/A		17.00	24	408.00 RAILING, RETAINING WALL
	020-0013908	1	5.06	350	1771.00 CABLE UG COMPOSITE 19 CONDUCTOR INCLUDES 13
	020-0014620	1	58.00	48	2784.00 WALL RETAINING CONCRETE PRECAST 2' HIGH X 4' LONG
	020-0025143	1	28.00	2	56.00 PLATE SHUNT HOLDER CSX-6K SS91-02 STEEL PLATE 20 IN SQ
	020-0052475	1	11.20	4	44.80 ARM EXTENSION 10-1/2" ALUM WITH 3/8" DIAMETER MOUNTING
	020-0053220	1	1.82	150	273.00 CABLE POWER UG 3 COND NO 6 AWG, SHOW LENGTH ON EACH
	020-0054073	1	170.68	2	341.36 BRACKET ASSY GATE ARM CONVERSION INCLS BRKT MTG
	020-0055421	1	12.24	6	73.44 BRACKET SIGN 4" OR 5" MAST W/1/2" U-BOLT FOR ALL SIGNS
	020-0056674	1	5434.34	2	10868.68 SIGNAL 0220-L GCWD GATE ASSY DWG SS222 INCLS 18 FBRGL ARM
	020-0057275	1	0.80	400	320.00 WIRE UG TRACK TWISTED PAIR NO. 6 AWG SOLID CONDUCTOR
	020-1040322	1	168.00	30	5040.00 BATTERY SAFT SPL165, 165 AH POCKET PLATE NICKEL CADMIUM
	020-1040540	1	26.88	2	53.76 TRAY BATTERY FIBER CO 82687-1-P 12" WIDTH 24" LONG
٠	020-1040550	1	39.20	2	78.40 TRAY BATTERY FIBER CO 82687-3-P 12" WIDTH 38"
	020-1153550	1	2.52	4	10.08 CLIP TRACK WIRE RETAINER UNIVERSAL RAIL BASE WRAP
	020-1360014	1	825.09	1	825.09 PACKAGE FOREMANS CARE FOR ALUMINUM TYPICAL BOM FOR USE
	020-1360016	1	16.64	1	16.64 PACKAGE SAFETY & SECURMENT WITH 1 EA CAUTION TAG 1 EA
	020-1360104	1	1080.30	1	1080.30 LAYOUT METER SERVICE WITH 30' POLE CSX DWG SS351 SH 2 ITEMS
	020-2500625	1	325.92	2	651.84 SHUNT SAFETRAN 62775-285 NARROW BAND 285HZ
	020-3262360	1	0.50	4	2.00 SCREW 1/2" X 4-1/2" FETTER DRIVE LAG HOT DIP GALV STD
	020-3901895	1	84.00	2	168.00 TIP FLEX HWY CROSSING GATE 24 IN LONG RED & WHITE STRIPES
	020-3930010	1	3.70	2	7.40 KIT GATE ARM WARNING STICKER KIT INCLUDES 1-EA 5"X3"
	020-4200340	1	1.04	30	31.20 LINK TEST ASSEMBLY 1" CENTERS COMPLETE WITH INSULATED
	020-4200900	1	0.24	6	1.44 CONNECTOR SHEATHING AMP 329860 FOR NO. 14 WIRE
	020-9999991	1	100.00	1	100.00 BLOCKING AND BRACING FOR PROJECTS BURCO DIST
	250-0001827	1	12.74	1	12.74 BREAKER CIRCUIT SQ D QO235
	360-0006100	1	33.78	1	33.78 STOOL STEP WOOD 14"X 20" SIGNAL MAINTAINERS CSXT

Field Material List for CSX Project: IL2006006 (Effective: 05/03/2006) Install FLS&G controlled by CWT Greenup, IL - QS 120.50

Catalog Num	Cond	Unit Price	Qty	Cost Description	
360-0800145	1	4.18	1	4.18 BROOM WAREHOUSE CORN HVY DUTY ID300	

Total Cost: \$ 25,449.13

Consumables List for CSX Project: IL2006006 (Effective: 05/03/2006) Install FLS&G controlled by CWT Greenup, IL - QS 120.50

Catalog Num	Cond	Unit Price	Qty	Cost Description
N/A		50.00	90	4500.00 FILL MATERIAL, 1 CUBIC YARD
N/A		800.00	1	800.00 WALKWAY ROCK, 10 CUBIC YARDS
020-0017605	. 1	0.22	350	77.00 WIRE CASE 10 AWG FLEX CSX SPEC SS796 OKONITE
020-0017607	1	0.54	500	270.00 WIRE CASE TW PR NO 10 AWG FLEX CSX SPEC SS796 TWIST 2
020-0017625	1	0.35	150	52.50 WIRE CASE TW PR NO 14 AWG FLEX CSX SPEC SS796 TWIST 2
020-0017630	1	0.11	200	22.00 WIRE CASE NO 16 AWG FLEX CSX SPEC SS796 FURN 1000 FT SPOOL
020-0017635	1	0.80	130	104.00 WIRE SIGNAL DEL 018 NO 6 COPPER STRANDED SINGLE
020-0028610	1	0.50	100	50.00 TERMINAL RING AMP 35628 YELLOW PLASTI-BOND HVY DUTY
020-1710045	1	2.62	200	524.00 CONDUIT SDR 13.5 4" POLYETHYLENE TRENCHLESS
020-2060072	1	666.40	2	1332.80 FOUNDATION HELICAL SCREW-IN ASSEMBLY 7' X 10" COMPLETE
020-2060074	1	476.00	2	952.00 EXTENSION 10" X 3' USE WITH XING GATE AND SIGNAL MAST
020-3261970	1	9.41	2	18.82 DECAL ASSY 2" BLACK PRESSURE SENSITIVE VINYL PRE-MASKED
020-4200880	1	0.53	2	1.06 CONNECTOR TERMINAL 2-3/8" CENTERS AAR 14.1.15-4 NICKEL
020-4200892	1	0.44	27	11.88 CONNECTOR TERMINAL 1" CENTERS AAR 14.1.15-3 NICKEL PLATED
020-4251190	1	0.45	120	54.00 TERMINAL RING AMP 35627 BLACK PLASTI-BOND WIRE SIZE 10-12
020-4251290	1	0.56	30	16.80 TERMINAL WIRE AMP 322051 BLUE WIRE SIZE NO 6 AWG 1/4" STUD
020-4251295	1	0.60	6	3.60 TERMINAL WIRE AMP 322007 BLUE WIRE SIZE NO 6 AWG 3/8" STUD
020-9999992	1	50.00	1	50.00 HOUSE, SIGNAL HANDLING CHARGE, BURCO DISTRIBUTION
450-0019212	1	0.20	100	20.00 SCREW 10 X 1" SHT METAL PAN HD TYPE A COARSE THREAD

Total Cost: \$ 8,860.46

SSC#: E015*

Project#: IL2006006

Contract#: SJSA10012

Street: HOSSAPPLE RD.

CSX#: IL0185

City & State: GREENUP, IL

Crossing Clearance Results

The MANUALY MEASURED clearance of the crossing is 35 , feet.						
The clearance time is	0	seconds.				
Approach Length Calculator Results		r				
Approach length	2824	feet.				
For speed With pad (at least 25% of train speed to a maximum of 5 MPH) Time	60 5 25	mph. mph. seconds.				
Clearance time Turn on time	0 5	seconds.				
Standard time 25.0 Seconds at 60 MPH= Adjusted time 5.0 Seconds at 60 MPH= Clearance time 0.0 Seconds at 60 MPH= Special time 25.0 Seconds at 5.0 MPH= 25 Seconds minimum approach.	2200.0 440.0 0.0 183.3 2823.3	feet. feet. feet. feet. feet.				
Adjusted Approach Length Results For Speed Restriction						

Speed on outer end of approach.	0	mph.	
Distance from crossing to speed restriction.	0	feet.	
Adjusted approach for speed restriction.	184	feet.	

CSX TRANSPORTATION

OP Field Labor Estimate IL2006006, IL0185 Hossapple Rd. - Install FLS&G controlled by CWT. Greenup

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Setup Labor

1 man day

Boring Team

Mobilization 4 man days Installation 6 man days TOTAL: 10 man days

Field Labor

Mobilization 5 man days Installation 58 man days Cut-In 8 man days TOTAL: 71 man days



April 5, 2006

Mr. Hal Gibson

Principal Engineer Public Projects CSX Transportation, Incorporated

500 Water St.

J-301

Jacksonville, Florida 32207

RE: GREENUP, IL

C.R. 1425E (HOSSAPPLE RD.)

DOT / AAR NO. 546390A

OP NO.

IL0185

SSC NO.

SJSA10012-E015

Project NO.

IL2006006

Dear Mr. Gibson:

This survey package is for the installation of new crossing signals at C.R. 1425E (Hossapple Rd.) as requested by The Illinois Commerce Commission.

The crossing is located on signaled Microcode track. The timetable train speed is 60 mph on the main track with 33 through/switching movements per day. There are no adjacent crossings within the approaches at this location.

A field survey was conducted on March 22, 2006 with the following personnel: Mr. Chuck Gilbert, Safetran Systems Surveyor and Mr. J.E. Davis CSX Maintenance Representative. There was no representative from CSX Construction. The proposed crossing configuration details were discussed as outlined in this survey.

The proposed crossing will consist of a bell, flashing lights and gates as requested by the Illinois Commerce Commission. The northwest quadrant will consist of a bell, flashing lights and a 16' gate with 10 cubic yards of fill. The southeast quadrant will consist of flashing lights and a 16' gate with a 4'T x 24'L berm wall and 40 cubic yards of fill. This survey will include the SAF 4000 enclosed in a new 6'x 6' aluminum house and meter service which will be located in the northeast quadrant and will require approximately 40 cubic yards of fill for proper support and grading. All crossing details are shown on the proposed layout QS12050.H01. Please advise of any changes.

Traffic preemption is not required at this location. The southeast quadrant will require an 18" CSP pipe install in the ditch for soil erosion prevention. Upon approval of survey package, a power request letter will be sent to Norris Electric Cooperative by Safetran Systems on CSX's behalf for further handling. There are no overhead or underground utilities that will interfere with warning system installation or operation. All utilities should be remarked prior to construction to assure there are no new conflicts with the light and gate placement.

Sincerely,

Senior Engineering Technician



CROSSING EVALUATION REPORT

DATE OF SURVEY <u>03-22-2006</u>

REVISED DATE <u>03-28-2006</u>

CONTRACTOR NO <u>SISA10012-E015</u>

CSXT PROJECT NO <u>11-2006006</u>

LOCATION: GREENUP, CUMBERLAND C	O., IL
ROADWAY: C.R. 1425E (HOSSAPPLE RD.)	**
Number(s) and/or Name(s) CITY LIMITS: YES TOWNSHIP: N/A	AMTRAK ROUTE: ∕ NO
DOT#: 54639%A OP#: IL0185	RR M.P.: " QS-120,50
OPERATING	
UNIT/REGION: WESTERN	BRANCH NAME: N/A
DIVISION: GREAT LAKES	SPUR NAME: N/A
	If Branch Line or Spur Track, Provide
SUBDIVISION: ST. LOUIS LINE	Milepost of Switch at Mainline: N/A
GLOBAL POSITIONING SYST	
LATITUDE: N 39° 13' 47' LONGITUDE:	W 88° 12' 23' ELEVATION: 629FT.
EXISTING WARNIN	CODEVICE DATA
(1) CROSSBUCKS: YES QTY.: 2	
(2) FLASHERS: NO QTY.: N/A LENS S	
	SIZE: N/A LENGTH: N/A
(4) CANTILEVERS: NO QTY.: N/A LENS S	SIZE: N/A LENGTH: N/A
(5) OTHER: N/A	1000
(INCLUDE ANY ADDITIONAL OR NON-STANDARD DEVICES EXISTING FOUNDATIONS POURED?	STING LE. Sidelights, Left Hand Signals, Poured In Place Foundations, ETC.) NO Quadrants: N/A
(7) DO EXISTING DEVICES MEET MINIMUM HORIZ	
Gate Arm: N/A Gate arm (3'-6" Min.	& 4'-6" Max.) from crown of roadway in Horizontal position.
Cantilever Arm: N/A Cantilever Arm Walke	out (17'-0" Min. vertical clearance) from crown of roadway.
(8) DOT # PLATE POSTED: NO (9) EMER	GENCY NUMBER SIGN (ENS) POSTED: YES
(10) DOES DOT # PLATE AND/OR ENS SIGN MATCH	FILE INFORMATION? YES
(11) EXISTING CONTROL EQUIPMENT CABINET (spec	
(12) DETECTION CIRCUITRY (EACH TRACK): N/A	
(13) FREQUENCIES (EACH TRACK): MICROCODE	1 6
(14) DRAWING NO.: N/A	
(15) IS THERE EXISTING PRE-EMPTION CIRCUITRY	
(16) IS THERE EXISTING EQUIPMENT THAT WILL BI	E REUSED? NO
If "YES", Provide Manufacturer and model: N/A	
· /	te: N/A Cantilever: N/A CONDITION: N/A
	te: N/A Cantilever: N/A CONDITION: N/A
	te: N/A Cantilever: N/A CONDITION: N/A
(20) GATE MECH. TYPE: N/A	CONDITION: N/A
Is there a 0 - 5 degree contact available in the gate mech.?	N/A (21) STUR MAST: NO
If "NO", is there a space to add one? N/A	(21) STUB MAST: NO

	EXISTING RO	AVVIGVAÇO	Y(b)	YTA:		
(1) ANGLE OF EXIST	TING ROADWAY: 110°	(2) WIDT	H OF EXI	STING ROA	.DWAY: _	18'
(3) VEHICLE SPEED	25			O SURFACE	: ASPHA	LT
	STING ROADWAY SHOULDE					
	Provide the existing Width and Typ	oe) WIDTH:	N/A	TYPE	: <u>N/A</u>	
(6) PHYSICAL/SIGH	UAD: N/A	SE	. QUAD:	N/A	•	
-	UAD: N/A		. QUAD:	 		
	AUTHORITIES NEED TO RE		~			
(UTILITY POLES, BRUSH, OV	ÆRHANGING LIMBS, OR SIGNS WHICH BLOCK N	OTORIST VIEWS OF S	GNAL OR EXIST	TING CROSSBUCKS		ans/Dhona)
$\frac{NO}{N/A}$ (If YES)	Describe obstructions below, inclu	de photos, and of	nam rugnw	ay Aumomy.	Name/Addit	ess/filonej,
I WER	(
(8) WHAT IS THE NE	EAREST STREET/HOUSE/BUS	INESS ADDR	ESS NUM	BER (FOR 9	11 EMER	GENCY):
1417 S.	R. 40 / 1/4 MILE / NORTH					· · · · · · · · · · · · · · · · · · ·
	DISTANCE AND DIRECTION FROM THE CROSSING CE / DIRECTION OF NEARES'					,
` /	/600'/NORTH	INILIBLOI		21.		
(INCLUDE I	ISTANCE AND DIRECTION FROM THE CROSSING		O OF STREET SI	(CN)		
	AINAGE SUFFICIENT AT CR List all quadrants that apply with de-		and include	e nhotos)	•	
(11110,1	Dist an quadrants that apply with do-	oriphono oolow,	ина модаа	o photos)		
(11) ARE "U.S. COAS"	T & GEOLOGIC (GEODEDIC)	SURVEY" MA	ARKERS I	PRESENT?		
· · · · · · · · · · · · · · · · · · ·	describe in detail below, and include	le photos)				
N/A			·			
CO	MMERGIALIPO	WERU	TILIT	TY DAY	TA	
				ry da		
(1) DOES THIS LOCA	ATION HAVE A COMMERCIA	AL POWER SC	URCE?	iYada	r/A	
(1) DOES THIS LOCA NO (If YES	ATION HAVE A COMMERCIA , provide meter service number/loca	AL POWER SO	URCE? N/A			o' /NORTH
(1) DOES THIS LOCA NO (If YES (If NO,	ATION HAVE A COMMERCIA, provide meter service number/loca provide distance and direction comm	AL POWER SC tion/condition) nercial power m	URCE? N/A			o' /NORTH
(1) DOES THIS LOCA NO (If YES (If NO, (2) COMMERCIAL P	ATION HAVE A COMMERCIA, provide meter service number/loca provide distance and direction commower COMPANY INFORMA	AL POWER SC tion/condition) nercial power ma TION:	URCE? N/A ast be const	ructed to cross	ing) <u>150</u>	
(1) DOES THIS LOCA NO (If YES (If NO, (2) COMMERCIAL P	ATION HAVE A COMMERCIA, provide meter service number/local provide distance and direction commower COMPANY INFORMATION: NORRIS ELECTRIC	AL POWER SOntion/condition/ mercial power marcial power ma	URCE? N/A ast be const	ructed to cross	ing) <u>150</u>	
(1) DOES THIS LOCA NO (If YES (If NO, (2) COMMERCIAL P Name/Address/Pho	ATION HAVE A COMMERCIAL provide meter service number/local provide distance and direction commower COMPANY INFORMATION: NORRIS ELECTRIC (1988)	AL POWER SO tion/condition) mercial power mo TION: OOPERATIV 8765)	URCE? N/A ist be const /E, RT 13	ructed to cross 0 S., NEWT	ing) 150	448
(1) DOES THIS LOCANO (If YES (If NO, 1) (2) COMMERCIAL P Name/Address/Photosometric (3) DOES EXISTING	ATION HAVE A COMMERCIA provide meter service number/loca provide distance and direction commower COMPANY INFORMA one: NORRIS ELECTRIC (618-783-8765 (877-783-8 COMMERCIAL POWER SOU	AL POWER SOn tion/condition) mercial power many and the comparison of the compariso	URCE? N/A ast be const VE, RT 13 COME F	ructed to cross 0 S., NEWT	ing) <u>150</u> ON, IL 62 HER LOC	448
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(1) DOES THIS LOCA NO (If YES (If NO, (2) COMMERCIAL P Name/Address/Pho (3) DOES EXISTING NO (If YES N/A (4) ARE THERE COM	ATION HAVE A COMMERCIA provide meter service number/loca provide distance and direction commower COMPANY INFORMA one: NORRIS ELECTRIC (618-783-8765 (877-783-8) COMMERCIAL POWER SOU provide distance and direction to o	AL POWER SO tion/condition) mercial power multiple. TION: OOPERATIVE S765) RCE GO TO of their locations an ION LINES?	VURCE? N/A Ist be const VE, RT 13 T COME F d power sou	ructed to cross 0 S., NEWT	ing) <u>150</u> ON, IL 62 HER LOC	448
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(1) DOES THIS LOCANO (If YES (If NO, 2) COMMERCIAL PONT (If YES (If YE	ATION HAVE A COMMERCIA , provide meter service number/loca provide distance and direction come OWER COMPANY INFORMA ONE: NORRIS ELECTRIC 618-783-8765 (877-783-8) COMMERCIAL POWER SOU , provide distance and direction to o MERCIAL POWER HI-TENS , provide height to low wire/cable) MERCIAL POWER SUBSTA	AL POWER SO tion/condition) mercial power material	URCE? N/A ast be const VE, RT 13 COME F d power sou	ructed to cross 0 S., NEWT	ing) <u>150</u> ON, IL 62 HER LOC	448
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(1) DOES THIS LOCA NO (If YES (If NO, (2) COMMERCIAL P Name/Address/Pho (3) DOES EXISTING NO (If YES N/A (4) ARE THERE COM YES (If YES (5) ARE THERE COM NO (If YES (6) WILL COMMERCE (1) NO (1) YES (1) NO (1) YES (1) NO (1) YES	ATION HAVE A COMMERCIA , provide meter service number/loca provide distance and direction come OWER COMPANY INFORMA ONE: NORRIS ELECTRIC 618-783-8765 (877-783-8) COMMERCIAL POWER SOU , provide distance and direction to o MERCIAL POWER HI-TENS , provide height to low wire/cable) MERCIAL POWER SUBSTA , provide distance and direction from CIAL POWER LINES REQUIRE	AL POWER SO tion/condition) mercial power material	URCE? N/A Ist be const /E, RT 13 COME F d power sou O.H.C.	ructed to cross 0 S., NEWT ROM ANOT arce feed point	ing) <u>150</u> ON, IL 62 HER LOC	448 CATION?
(1) DOES THIS LOCA NO (If YES (If NO, (2) COMMERCIAL P Name/Address/Pho (3) DOES EXISTING NO (If YES N/A (4) ARE THERE COM YES (If YES (5) ARE THERE COM NO (If YES (6) WILL COMMERC NO (If YES (6) WILL COMMERCE NO (IF YES (7) (FRES (7) (ATION HAVE A COMMERCIA , provide meter service number/loca provide distance and direction commower COMPANY INFORMA one: NORRIS ELECTRIC (618-783-8765 (877-783-6) COMMERCIAL POWER SOU , provide distance and direction to one MMERCIAL POWER HI-TENS , provide height to low wire/cable) MMERCIAL POWER SUBSTA , provide distance and direction from	AL POWER SO tion/condition) mercial power ma TION: TOOPERATIVE B765) RCE GO TO on ther locations an HON LINES? 40' V TIONS? m crossing) N E RAISING OF	VURCE? N/A Ist be const VE, RT 13 T COME F Id power sou	ructed to cross 0 S., NEWT ROM ANOT arce feed point	ing) <u>150</u> ON, IL 62 HER LOC	448

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EXISTING TRACK DATA

TRACK CIRCUITRY: SIGNALED - MICROCODE

	·
(FOR EACH TRACK: SIGNALED, NON-SIGNALED,	

TRACK ID	MAX. TRAIN SPEED	OPERATING RULES	BLOCK TYPE/NAME	MOVES PER DAY	TYPE OF MOVES
M/L	60	ABS-261	N/A	33	THRU/SWITCHING

Time Table Direction - RAILROAD WEST	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	<u> </u>
To: Willows TRACK ID: M/L		TYPE OF TRACK - 132RE CWR
TRACK ID:		TYPE OF TRACK -
TRACK ID:		TYPE OF TRACK -
Total Track Centers:	ROADWAY	

Note: Sketch additional rail features as required.

Indicate type of track on the sketch above. Indicate on the chart below with an "X", the corresponding rail weight and bolt spacing. If additional rail sizes and bolt spacing are present indicate size, spacing, and limits on the "Existing Block Layout' survey drawing.

×	ТҮРЕ	WEIGHT PER YD	SECTION	JOINT PUNCHING	×	TYPE	WEIGHT PER YD	SECTION	JOINT PUNCHING
	SME	##\$ 140h	Se P. Britis	A (1) 4 (5) 6° 6° 6° 7° 1/8° (6° 6° 6° 6° 6° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4°		20	100	R. P. D.	3.00 T. 6.70 T. 6.
	20	* 5 140	R 1	6 7/6 1/2/51/18*61/51/67/		21	100	A.R. A.A.	1 AND
	30033	3,22,13,0%	R East	6',6',7,1/8',6',6',		, 22	100.4	ARAA	514 4 4 4 514
◩	1.442	14200	R. E.	5 (5 (5 (6 (7 1/8 ° 6 ° 6 ° 6 ° 6 ° 6 ° 6 ° 6 ° 6 ° 6 °	4	23	100	R B	6.6.6.5
빑	5.5	182	E.E.	e 6/2/6/2/5 I/8″ 6/2/6/2/6	ᄖ	24	*****100***	. В. В. В.	53244.4.47.5736.3
井	6.	22 (191	K.E .	6 % 66 % 5 1/8 36 % 16 1/2	부	200	100	A S.C.E.	0
井		30	N T	25 6 % 6 % 5 1/8 6 V 16 /3	片	∠D	2 7U	ARAA	
井		130.5	REF	51657573 F 6170617511816171617	片	- 50		ARAA	52 42 42 42 53 25
井		127.	n ne ir ar ir Ne e Di ID	5 1/8° 5°1/8° 5°1/8° 5°1/8°	┝╬╌	20	On .	R B	
₩	MANUAL VALUE	122	Table 10 Table 1	6/6/71/8/6/6	+	30	100	ASCE	77.6
ᆏ	10	1115	RE	61 617 1780 67 6W 1318 Fe	Ħ	. 31	85	ASCE	195" 4 ½" 5"
ㅠ		Met 1151.	R.E.	6.4° 60/21 63/21/5 188° 63/21/63/21/53	Ī	32	·/ 85	ASCE.	50.87570 at 150.87670
	14.	ere, Jubice	R.E.	6 1/2" 5 1/8" 6 1/2" 3		333	85	ASCE.	F 10 16 Vet 51 57 57 57 F 1940
	\$9°05'4	4. 112	CVR E.S.	6 1/2" 6 1/3" 5 1/8" 6 1/3" 6 1/2" "		34	85	ASCE	67575757678747
	4 116	31125	i¥ s∵R°E ⇒	******** 61/6" 51/8" 61/6" *****		. 435	85	DID as	67.64.83.63 2525
	4-17-	286 110 P	NERES	576.576.576.576		36%			Other, and state of the state of
	1.48	Sec. 1053	** DUU *	\$6 \cdot (7" (7" 4 \L\)16"; 7" \cdot 7"		87		644	Other:
	7 19 A	Sec. 100g &	ен К.Б.	purismon 5.7225.72.5.725 par 12.500		->×38			Other, which is the rest of the re-

Track ID	Jointed or Welded	Is Rail Rusty	Turnouts Pre- Insulated	Gauge Rods	Bonds Quantity	Bonds Type	Ballast Type and Condition
M/L	WELDED	NO	N/A	NONE	N/A	N/A	GRANIATE / FAIR
		, ,		AFF.			*
-							

Roadmaster name and mailing address if insulated joints are required:

RVANTER (O) AND BROUGHT IN HEID AND A

(1) ARE THERE RAILROAD HI-TENSION LINES?
NO (If YES, provide height to low wire/cable) N/A V.O.H.C.
(2) ARE THERE RAILROAD POWER SUBSTATIONS?
NO (If YES, provide distance and direction from crossing) N/A
(3) WILL RAILROAD POLELINE REQUIRE RAISING or RELOCATION?
NO (If YES, provide heights) Existing: N/A V.O.H.C. Proposed: N/A V.O.H.C.
(4) WILL RAILROAD POLELINE REQUIRE BURIAL?
NO (If YES, provide length of burial required) N/A
(5) WILL RAILROAD POLELINE REQUIRE REMOVAL DUE TO OUT-OF-SERVICE / ABANDONMENT?
NO (If YES, provide length of removal required) N/A Number of Back-Guys (If Required) N/A
FORE CN / JOINT RAILROAD DATA
(1) DOES FOREIGN RR CROSS OR GO PARALLEL?
NO (If YES, provide distance and direction) N/A
(2) ANY OINT RR FACILITIES WITHIN ONE MILE?
NO (If YES, Provide explanation of how maintenance responsibilities are divided below?)
N/A
(3) IS THERE JOINT TRACKAGE ARRANGEMENT WITH ANOTHER RR?
NO (If YES, name of foreign RR.) N/A
(4) IS THERE INTERCONNECTED CIRCUITRY WITH ANOTHER RR?
NO (If YES, provide description) N/A
ONE CALLSYSTEMS INTERNATIONAL
UTILITY LOCATE NUMBER
COMPANY: JULIE, INC PHONE: 800-892-0123
DATE AND TIME CALLED: 03-16-06 / 1:17 PM
OPERATOR CONTACTED: MARGE LOCATE ID #: A0750883
WERE UTILITIES MARKED? YES ARE THERE UTILITY CONFLICTS? NO
ARE THERE CALL BEFORE YOU DIG SIGNS? YES
COMMENTS:

OVERHEAD / UNDERGROUND UTILITY DATA

UTILITY TYPE: GAS UTILITY NAME:	MARATHON-ASHLAND PIPELINE
CONTACT NAME:	. 1
CONTACT MAILING ADDRESS:	
WERE UTILITIES MARKED? YES	ARE THERE UTILITY CONFLICTS? NO
ARE THERE CALL BEFORE YOU DIG SIGNS? YES	
COMMENTS: TICKET #A0750883 - 91' FROM THE	CENTER OF THE TRACK
UTILITY TYPE: FIBER OPTIC UTILITY NAME:	VERIZON
CONTACT NAME:	PHONE NUMBER:
CONTACT MAILING ADDRESS:	· · · · · · · · · · · · · · · · · · ·
WERE UTILITIES MARKED? <u>YES</u>	ARE THERE UTILITY CONFLICTS? NO
ARE THERE CALL BEFORE YOU DIG SIGNS? YES	
COMMENTS: TICKET #A0750883 - 20' OFF THE ED	GE OF THE ROAD ON THE SOUTHSIDE
OF THE TRACK	
VA ALIEF AMAZZA	
UTILITY TYPE: N/A UTILITY NAME:	
UTILITY TYPE: N/A UTILITY NAME: CONTACT NAME:	PHONE NUMBER:
UTILITY TYPE: N/A UTILITY NAME: CONTACT NAME: CONTACT MAILING ADDRESS:	PHONE NUMBER:
UTILITY TYPE: N/A UTILITY NAME: CONTACT NAME: CONTACT MAILING ADDRESS: WERE UTILITIES MARKED? YES/NO	PHONE NUMBER: ARE THERE UTILITY CONFLICTS? YES/NO
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OVERHEAD / UNDERGROUND UTILITY DATA

UTILITY TYPE: N/A UTILITY NAME:		
CONTACT NAME:		· .
CONTACT MAILING ADDRESS:	·	·
WERE UTILITIES MARKED? YES/NO	ARE THERE UTILITY CONFLICTS?	YES/NO
ARE THERE CALL BEFORE YOU DIG SIGNS? YES		
COMMENTS:		
UTILITY TYPE: N/A UTILITY NAME:		
CONTACT NAME:	PHONE NUMBER:	
CONTACT MAILING ADDRESS:		
WERE UTILITIES MARKED? YES/NO	ARE THERE UTILITY CONFLICTS?	YES/NO
ARE THERE CALL BEFORE YOU DIG SIGNS? YES		
COMMENTS:		·
		ij
UTILITY TYPE: N/A UTILITY NAME:		
UTILITY TYPE: N/A UTILITY NAME: CONTACT NAME: CONTACT MAILING ADDRESS:	PHONE NUMBER:	
UTILITY TYPE: N/A UTILITY NAME: CONTACT NAME:	PHONE NUMBER:	YES/NO
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PROPOSED

Warning Device / Control Equipment Data

Mary Control of the C	Manage metryleys of principle	
(1) BELLS:	YES	QTY.: 1
(2) FLASHERS:	NO	QTY.: N/A LENS SIZE: N/A
(3) GATES:	YES	QTY.: 2 LENS SIZE: 12" LENGTH: 16'
(4) CANTILEVERS:	NO	QTY.: N/A LENS SIZE: N/A LENGTH: N/A
(5) BRIDGE SIGNALS:	NO	QTY.: N/A LENS SIZE: N/A LENGTH: N/A
(6) CANT/GATE COMBINATIONS: (7) OTHER: N/A	NO	QTY.: N/A LENS SIZE: N/A LENGTH: N/A
(ÎNCLUDE ANY A	ADDITIONAL OR N	ON-STANDARD DEVICES REQUIRED I.E. Sidelights, Left Hand Signals, ETC.)
(8) WILL ANY OF THE	PROPOSED	DEVICES REQUIRE A POURED-IN-PLACE FOUNDATION?
NO / (If YES, Pro	ovide Quadrai	nt(s) and purpose. N/A
		IAT REQUIRE ADDITIONAL SIDELIGHTS INSTALLED?
NO (If YES, Pro	ovide Name, l	Distance from Track to Side Street, and Quadrant)
(10) IS THE PROPOSED	UPGRADE	TO INCLUDE A FOUR-QUADRANT GATE SYSTEM?
NO (If YES, Pro	ovide Exit Ga	te Delay/Dwell Time required) Time: N/A
(11)PRE-EMPTION CIRC		
(If YES, provide Na	me, Distance	, and Direction to signalized intersection) N/A
(If provided, what S the Roadway Author		iming or designation of Advanced/Simultaneous pre-emption has been requested by nount of Time (sec.): N/A
		Timing Sequence: N/A
	NI/A	
Authorizing Agency / Roadway Traffic Engl Name/Address/Phone		
		Date of Requirement: N/A
(12)PROPOSED CASE / F	HOUSE SIZ	
(13) QUADRANT PLACE	MENT FOR	R PROPOSED CASE / HOUSE: N.E.
		MENT RECOMMENDED/REQUESTED BY CSXT REPRESENTATIVE:
Note Equipment for Eacl		SAF 4000 GCP
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PROPOSED ROADWAY DATA

(1)	ANGLE C	OF PROPOSED ROADWAY: 11.6 (2) WIDTH OF PROPOSED ROADWAY: 48'
(3)	PROPOSE	ED VEHICLE SPEED: 25 (4) PROPOSED ROAD SURFACE TYPE: ASPHALT
(5)	ARE ROA	DWAY SHOULDERS INVOLVED IN THE PROPOSED CROSSING IMPROVEMENTS?
•	NO	(If YES, describe Location, Width, and Type shoulder involved)
		N/A
(6)	ARE THE	RE CURBS OR SIDEWALKS THAT WILL INTERFERE WITH THE PROPOSED UPGRADES?
	NO	(If YES, describe interference below, and include photos)
		N/A
(7)	IS THERE	E ROOM AT THE CROSSING TO STORE EQUIPMENT DURING CONSTRUCTION?
	YES	(If YES, specify which Quadrant) S.W.
		(If NO, specify where Equipment can be stored) N/A
(8)	WILL TH	E EXISTING TOPOGRAPHY AT THE CROSSING AFFECT THE INSTALLATION?
	NO	(If YES, List all quadrants that apply with descriptions below, and include photos)
		N/A (NOTE IF TERRAIN, SLOPE, or UTILITIES WILL AFFECT EQUIPMENT STABILIZATION FOR: Directional Boring, Jack & Bore, Boom Truck Positioning, ETC.)
(9)	EVTEND	OR RELOCATE EXISTING CULVERT(s), or INSTALL NEW CULVERT(s)?
(2)	YES	(If YES, List all quadrants that apply with descriptions below, and include photos)
	1123	20' PIPE TO BE INSTALLED BY OTHERS IN THE S.E. QUADRANT FOR SOIL
		EROSION PREVENTION.
<i>(</i> 10	NIS EILL. N	MATERIAL REQUIRED FOR CROSSING IMPROVEMENTS?
(10	YES	(If YES, Provide total Cubic Yards needed, and breakdown by Quadrants) TOTAL 90 YARDS
		N.W. QUAD = 10 YRDS; S.E. QUAD = 40 YRDS; N.E. QUAD = 40 YRDS (HOUSE)
(11)INSTALI	OR EXTEND CRIB WALL FOR CROSSING IMPROVEMENTS?
\	YES	(If YES, List all quadrants that apply with measurements below, and include photos)
		Enter measurements here: 4'T X 24'L BERM WALL
٠		(SHOW CRIBBING AND PLACEMENT ON FIELD SURVEY DRAWING ALSO)
(12) CONDUI	T LENGTH REQUIRED: 200'

PROPOSED REMOTE/APPROACH DATA

(1)	IS THERE A CONTROL POINT OR INTERLOCKING WITHIN THE CROSSING APPROACH?
_	NO (If YES, Describe distance, direction, and how it will be affected by the proposed improvements)
	N/A
(2)	REMOTE CASE OR HOUSE REQUIRED?
	NO (If YES, Describe size and location for remote house below) N/A
-	
(3)	WILL A NEW METER of U.G. POWER CABLE BE REQUIRED FOR ANY REMOTE LOCATIONS?
` ′	NO (If YES, provide distance and direction power must be constructed to remote location)
-	N/A
(4)	WILL THIS PROJECT INVOLVE MODIFICATIONS TO THE RR POLELINE OR SIGNAL SYSTEM?
` '	NO (If YES, Include photos & describe in detail the involvement and necessary corrective action below)
•	RR Poleline Involvement RR Signal System Involvement
	$\overline{N/A}$
(5)	WILL DAX CABLE INSTALLATION BE REQUIRED TO REMOTE OR APPROACH LOCATIONS?
()	NO (If YES, Describe location, distance, and direction to adjacent DAX location) N/A
•	
(6)	WILL THE EXISTING TOPOGRAPHY IN THE APPROACHES AFFECT THE INSTALLATION?
` '	NO (If YES, List all locations or areas that apply with descriptions below, and include photos)
•	N/A
	(NOTE IF TERRAIN, SLOPE, or UTILITIES WILL AFFECT EQUIPMENT STABILIZATION FOR: Shunt Plates, Shunt Enclosure, DAX Cable Installation, ETC.)
	Field Forces preferred shunt enclosure type: Shunt Plates Shunt Tubes
(7)	IS FILL MATERIAL REQUIRED FOR REMOTE OR APPROACH LOCATIONS?
	NO (If YES, Provide location and total Cubic Yards needed) N/A
(8)	INSTALL OR EXTEND CRIB WALL FOR REMOTE OR APPROACH LOCATIONS?
	NO (If YES, List all quadrants that apply with measurements below, and include photos)
	Enter measurements here: N/A
	(SHOW CRIBBING AND PLACEMENT ON FIELD SURVEY DRAWING ALSO)
(9)	ARE THERE ANY SHUNT TYPE SWITCHES, LOCKS, or SPURS WITHIN CROSSING APPROACH?
٠.	NO (If YES, Describe distance, direction, and how they will be affected by the proposed improvements)
	N/A
(10)) ARE THERE ANY INVOLVED SWITCHES THAT WILL REQUIRE INSULATION?
	NO (If YES, Describe distance, direction, and how they will be affected by the proposed improvements)
	N/A
(11)) WILL THE EXISTING BALLAST CONDITIONS AFFECT THE CIRCUITRY SELECTED?
	NO (If YES, Describe the existing condition) N/A

ADDITIONAL NOTES/COMMENTS

<Scope> INSTALL FLS&G W/CWT

NE QUAD - PRO. 6' X 6' ALUMINUM HOUSE AND NEW METER SERVICE WITH 40 CUBIC YARDS OF FILL.

NW QUAD - PRO. FLS&G WITH 10 CUBIC YARDS OF FILL.

SE QUAD - PRO. FLS&G WITH 10 CUBIC YARDS OF FILL.

SW QUAD -

<Details / Conflicts>

- 1. SHUNT PLATES ARE REQUIRED AT THIS LOCATION.
- 2. 6" ~ 8" OF SNOW WAS ON THE GROUND AT TIME OF SURVEY.

DRAWING REQUIREMENTS

- 1. SHOW A "REALISTIC PRESENTATION OF THE HIGHWAY AND RAILROAD GEOMETRICS IN THE AREA OF THE GRADE CROSSING".
 - Centerline of track(s) and right-of-way lines (if available) with appropriate dimensions on existing and proposed surveys.
 - Show centerline of highway crossing at horizontal midpoint with tracks and angle (in degrees) of crossing.
 - c. Detail "edge of pavement" or "edge of curb" and dimension width of pavement, travel lanes and gutter (if present).
 - d. Show also the following with dimensions:
 - (1) Sidewalks
 - (2) Grass Strips
 - (3) Driveways
 - (4) Parallel Streets and driveways (to Railroad and within 100 feet)
 - (5) Utility poles, including proposed service pole
 - (6) Railroad C&S Lines and poles
 - (7) Any underground utilities indicated by surface markings, such as "Call before you dig signs", vents, drains, etc.

2. COVER LETTER

- a. Basic items to be covered (in order)
 - (1) State proposal
 - (2) Present warning devices
 - (3) Contract company's recommendations for crossing
 - (4) Special problems at crossing

3. LASTLY:

- a. Show arrow for magnetic north.
- b. Show Timetable direction:
 - (1) Left Side of Survey North, West
 - (2) Right Side of Survey South, East

- c. Profile drawings showing a realistic presentation of approaches for crossing including such things as:
 - (1) Railroad Signals
 - (2) Switches (Hand, Power and Electric Lock), Frogs, Slide Feffces, Defect Detectors
 - (3) Railroad Diamonds ...
 - (4) Highway Crossings (Control Equip. and Freq.)
 - (5) Etc. Existing insulated joints, cases, terminations, couplers, ballast deck and open deck bridges
 - (6) All items above to have footages shown referenced back to crossing
 - (7) Distance From Switch Point to Insulated Joints at frog, and at fouling point as well as in front of point.

4. NOTES AND COMMENTS ARE REQUIRED FOR:

- Foundation placements from centerline of nearest track on ninety (90) degree or more crossings.
- b. Gate tip distances from centerline of nearest track on crossings less than ninety (90) degrees.
- c. If there is no interference with light-gate operation state:
 "NO INTERFERENCE WITH LIGHT-GATE OPERATION"
 (Bottom left corner of survey drawing)
- d. Show house location.

- e. It is the responsibility of the survey contractor to contact the appropriate CSX Signal Supervisor and make arrangements to meet him or his representative at survey site. If contractor has difficulty contacting the supervisor, the appropriate District Signal Engineer should be called for assistance. If neither can be contacted, contractor may call the CSX engineering office for assistance.
- f. The existing and proposed survey drawings for the immediate crossing will have a scale of 1:20.
- 5. FOR COMPLETE PROCEDURES
 REGARDING DATA COLLECTION ON
 FORMS AND DRAWINGS SEE "Crossing Field
 Survey Procedures manual, section 1 & 2.

SURVEYATTESTED

OBTAIN NAME, SIGNATURE, TITLE, AND PHONE NUMBER OF <u>ALL</u> REPRESENTATIVES FROM EACH ATTENDING AGENCY PRESENT DURING THE FIELD SURVEY.

(Obtain and include business card if available)

Obtain and	SIGNATURE:
RR MAINHENANCEAS-ASSESSED	SIGNATURE.
(PRINT NAME) Jim Oavi) in
PHONE: 82-240-4643	Jam -
PHONE: 822-240-4643	•
E-MAIL:	GLOSTA THIDE.
RR CONSTRUCTION REPRESENTATIVE	SIGNATURE:
(PRINT NAME)	
TITLE:	
PHONE:	
E-MAIL:	CYCLE WILD E.
RR FACILITIES REPRESENTATIVE	SIGNATURE:
(PRINT NAME)	
TITLE:	
PHONE:	
E-MAIL:	SIGNATURE:
CONTRACTOR SURVEY REPRESENTATIVE	SIGNATURE.
(PRINT NAME) CHUCK GILBERT	
TITLE: SURVEYOR	Churk Gilbert
PHONE: 502-439-4183	7
E-MAIL:	SIGNATURE:
ROAD AUTHORITY REPRESENTATIVE	SIGNATURE.
(PRINT NAME)	
TITLE:	
PHONE:	
E-MAIL:	SUPERVISOR OF SIGNAL CONSTRUCTION:
SUPERVISOR OF SIGNAL MAINTENANCE:	SUPERVISOR OF SIGNAL CONSTRUCTION
Roy Mathews	OFFICE#: FAX#:
OFFICE#: FAX#:	O(1) O(2)
8(2 · 23 / - 54 / 7 MOBILE#:	PAGER#: MOBILE#:
PAGER#: MOBILE#: 765-592-1185	
E-MAIL ADDRESS:	E-MAIL ADDRESS:
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